



TITLE: COMPOUNDS AND METHODS TO ENHANCE rAAV TRANSDUCTION  
INVENTORS NAME: John F. Engelhardt et al.  
SERIAL NO.: 09/689,136

1/27

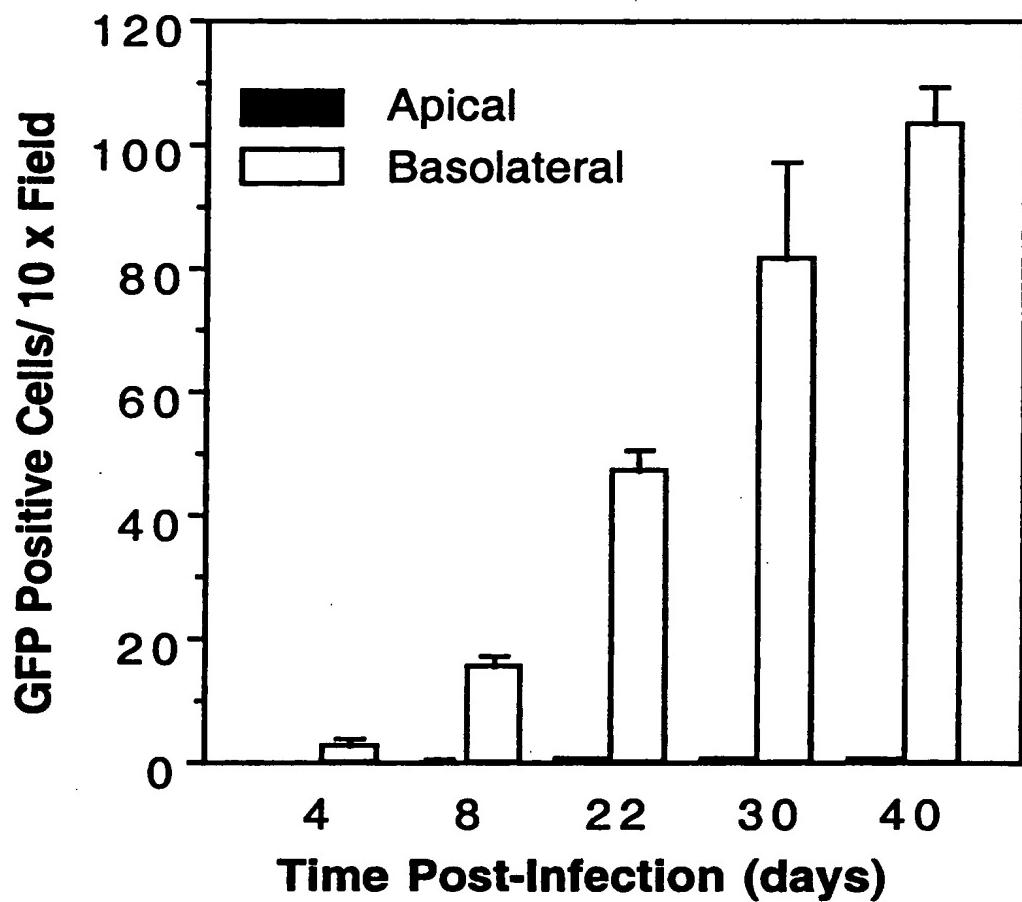
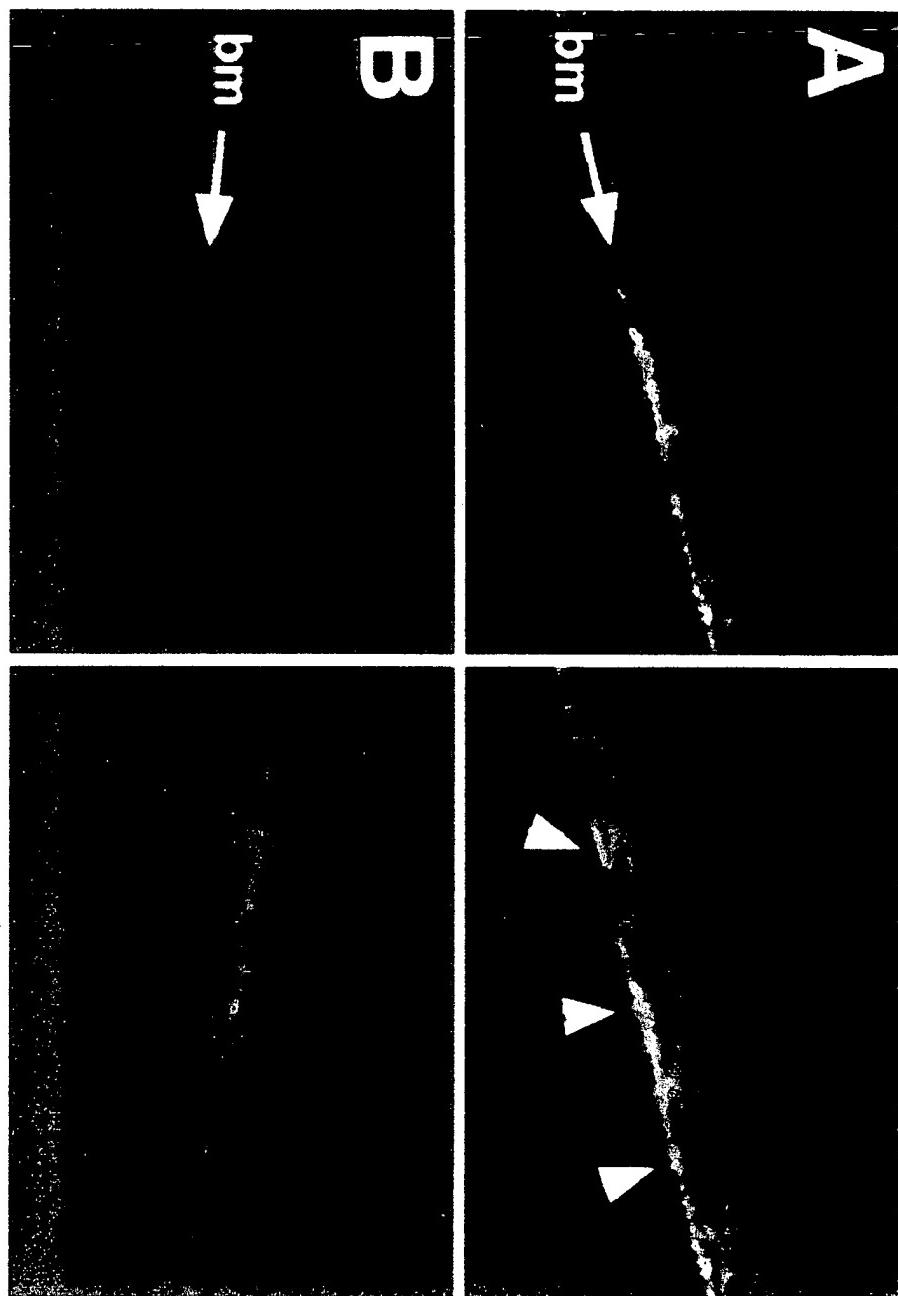


FIG. 1

**FIG. 2**



2/27

SERIAL NO.: 09/689,136

TITLE: COMPOUNDS AND METHODS TO ENHANCE RAY TRANSDUCTION  
INVENTORS NAME: John F. Englehardt et al.

J1054 U.S. PTO  
12/02/02  
Barcode



TITLE: COMPOUNDS AND METHODS TO ENHANCE rAAV TRANSDUCTION  
INVENTORS NAME: John F. Engelhardt et al.  
SERIAL NO.: 09/689,136

3/27

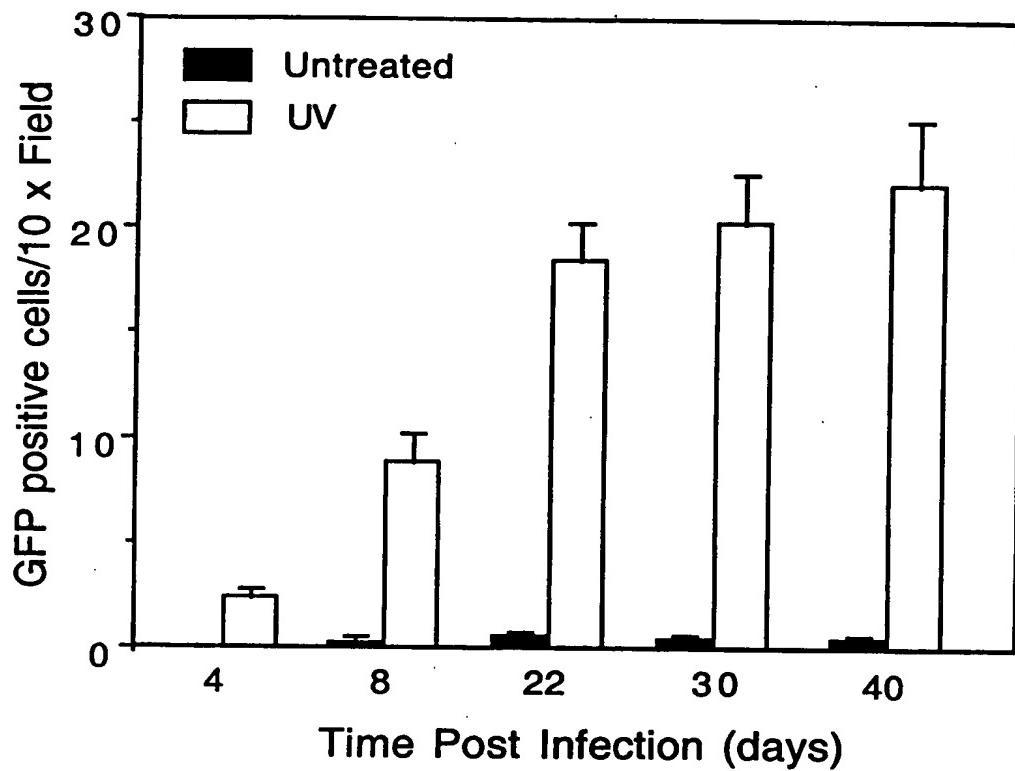


FIG. 3A

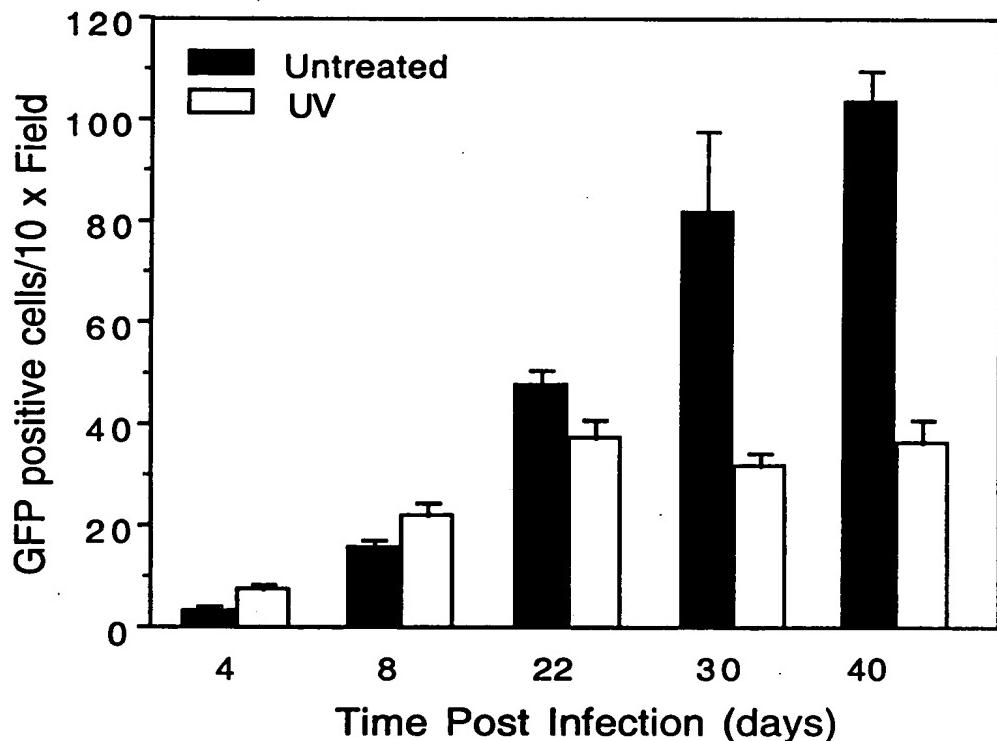


FIG. 3B



TITLE: COMPOUNDS AND METHODS TO ENHANCE rAAV TRANSDUCTION  
INVENTORS NAME: John F. Engelhardt et al.  
SERIAL NO.: 09/689,136

4/27

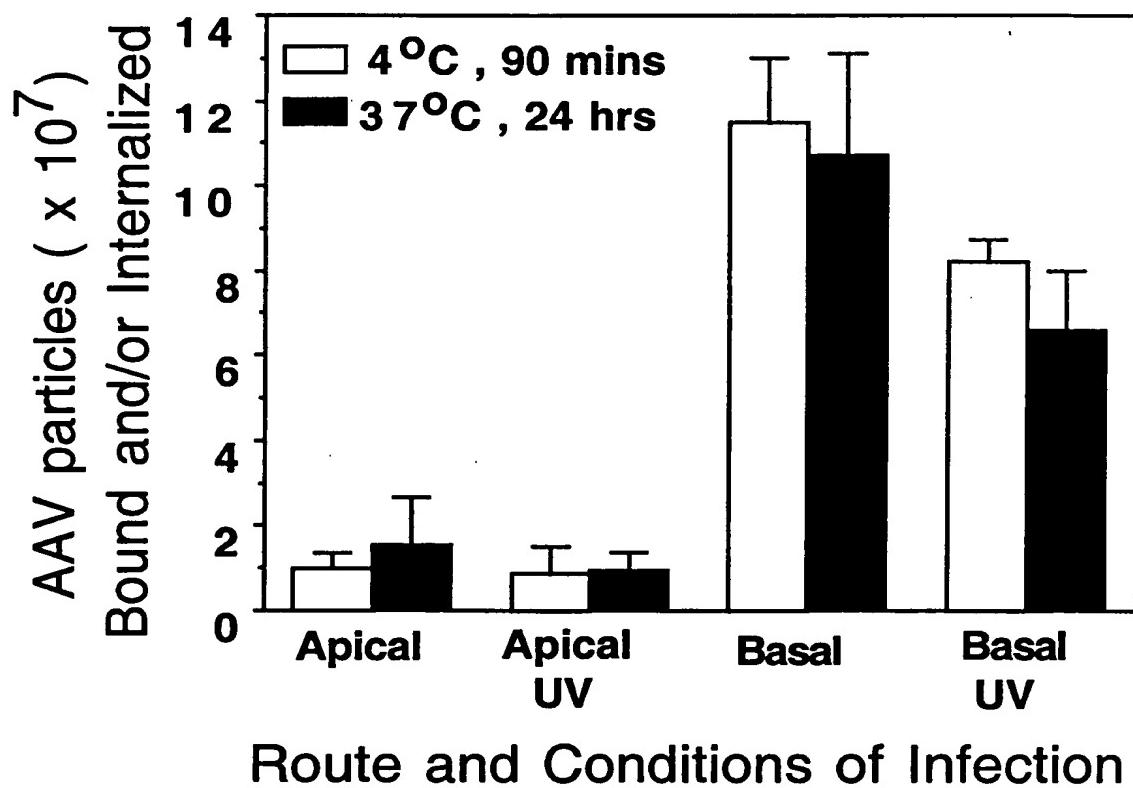


FIG. 4

12/02/02  
J1054 U.S. PTO

TITLE: COMPOUNDS AND METHODS TO ENHANCE rAAV TRANSDUCTION  
INVENTORS NAME: John F. Engelhardt et al.  
SERIAL NO.: 09/689,136

5/27

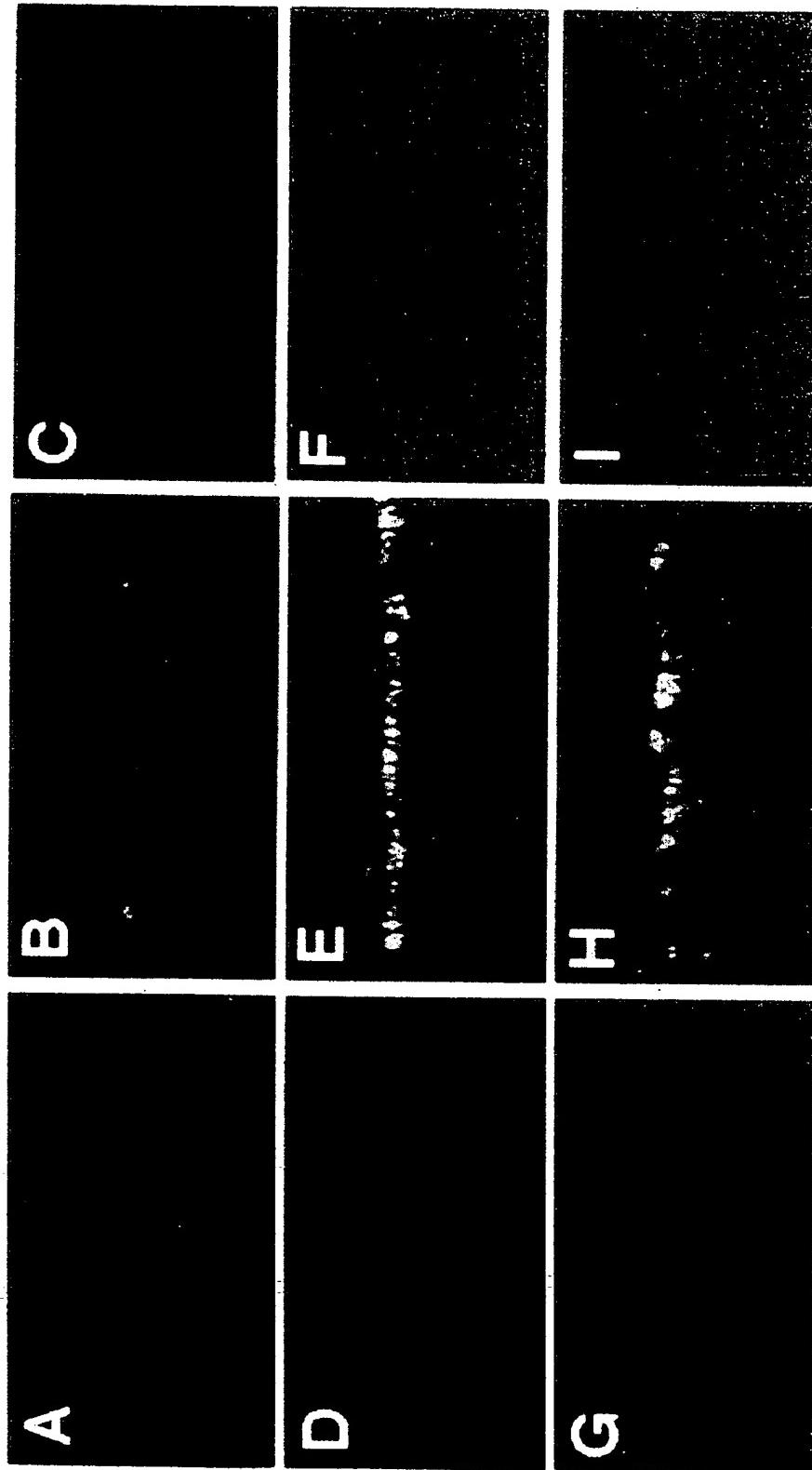


FIG. 5

6/27

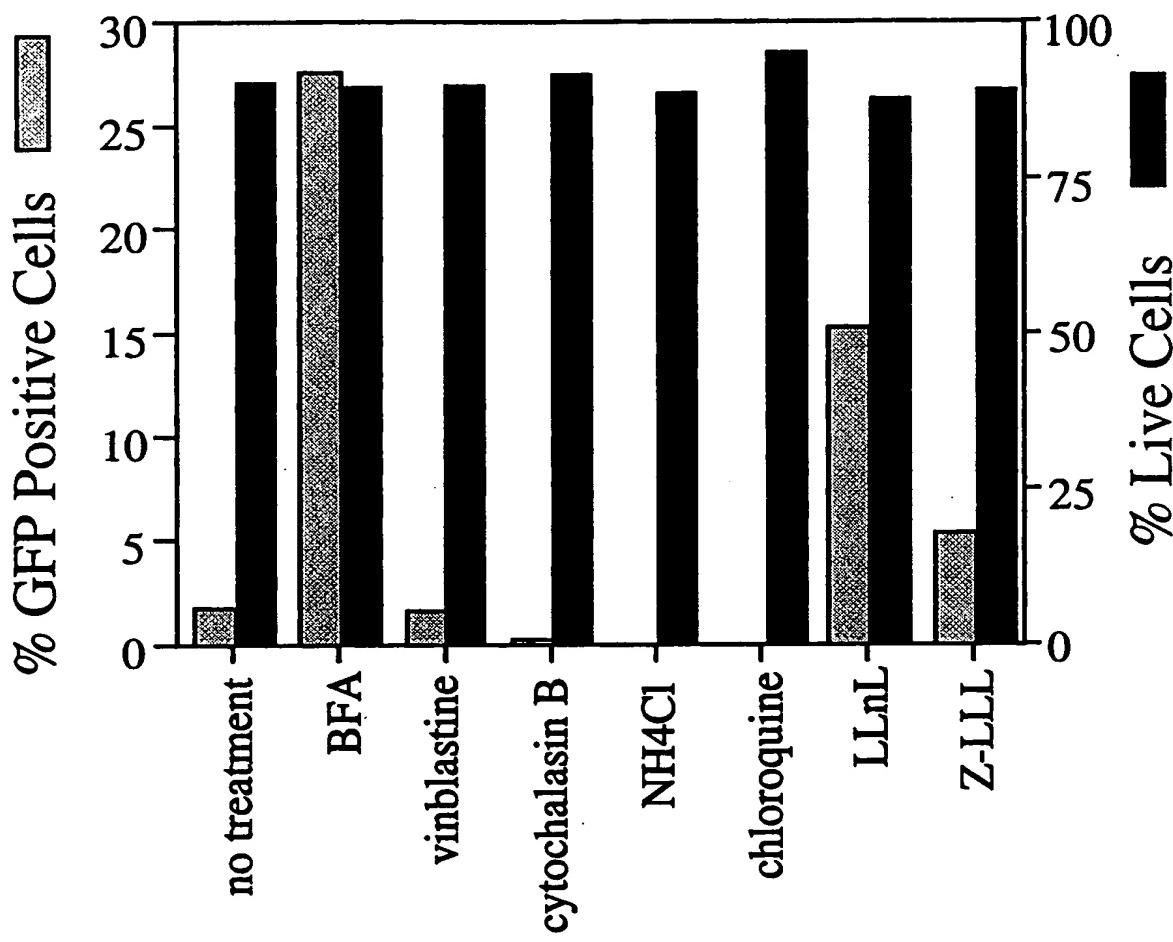
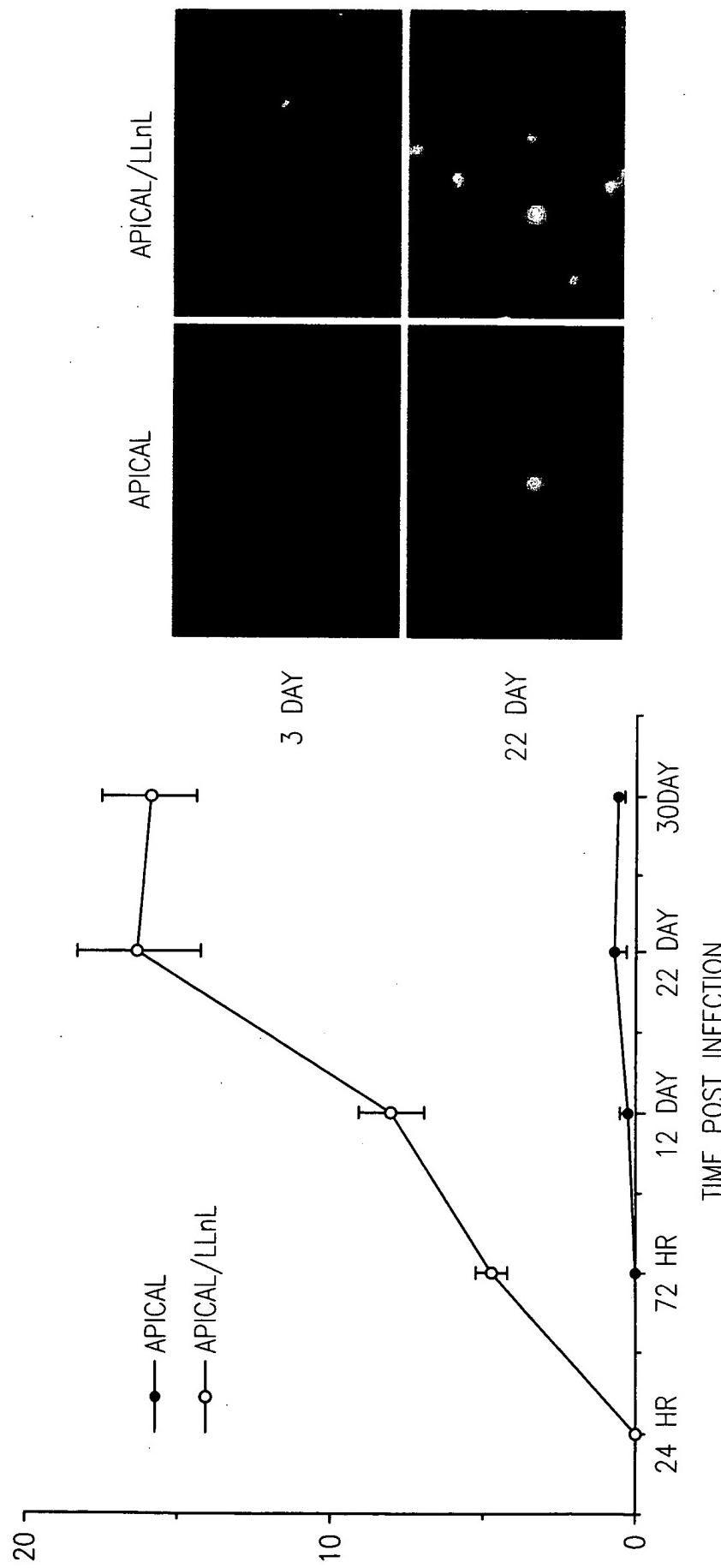


FIG. 6

12/02/02  
J1054 U.S. PTO

TITLE: COMPOUNDS AND METHODS TO ENHANCE rAAV TRANSDUCTION  
INVENTORS NAME: John F. Engelhardt et al.  
SERIAL NO.: 09/689,136

7/27



12/02/02  
J1054 U.S. PTO

TITLE: COMPOUNDS AND METHODS TO ENHANCE rAAV TRANSDUCTION  
INVENTORS NAME: John F. Engelhardt et al.  
SERIAL NO.: 09/689,136

8/27

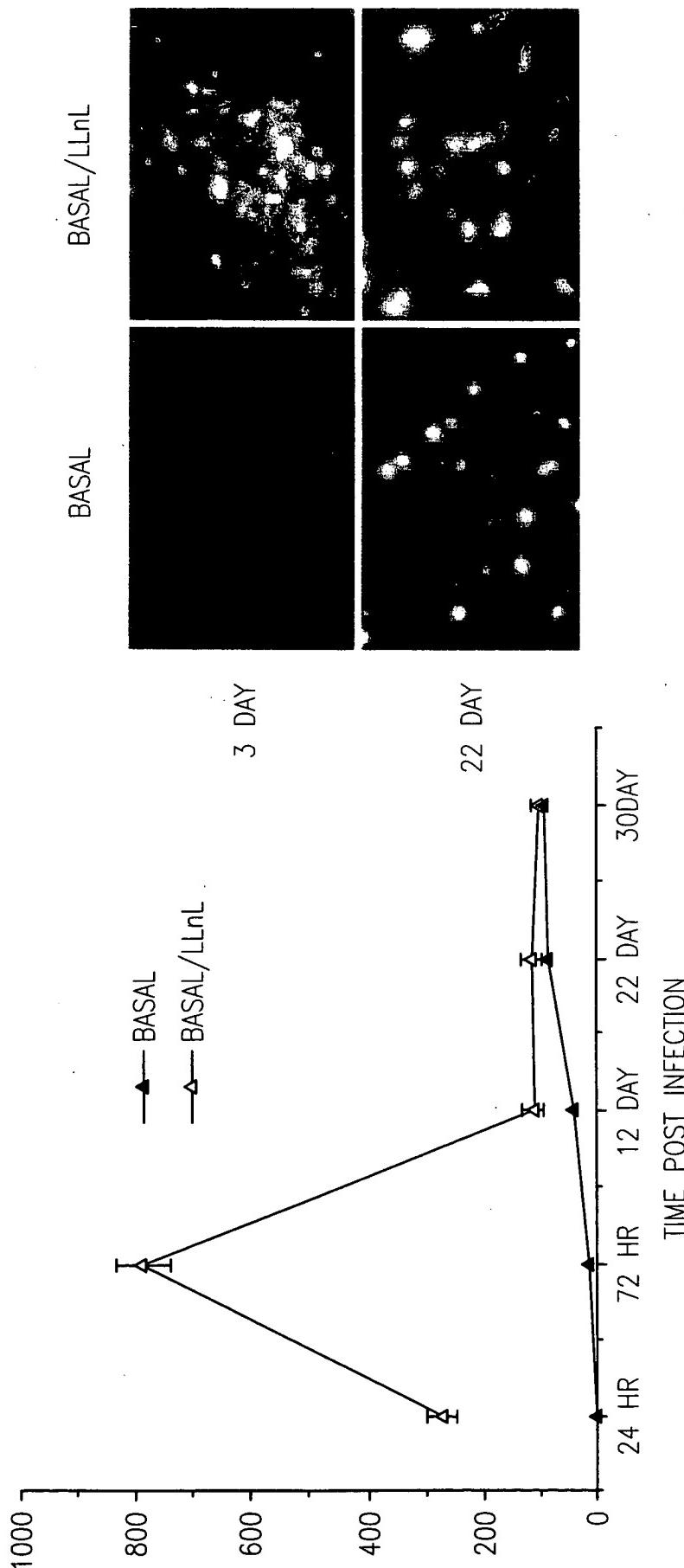


FIG. 7B

J1054 U.S. PTO  
12/02/02

TITLE: COMPOUNDS AND METHODS TO ENHANCE rAAV TRANSDUCTION  
INVENTORS NAME: John F. Engelhardt et al.  
SERIAL NO.: 09/689,136

9/27

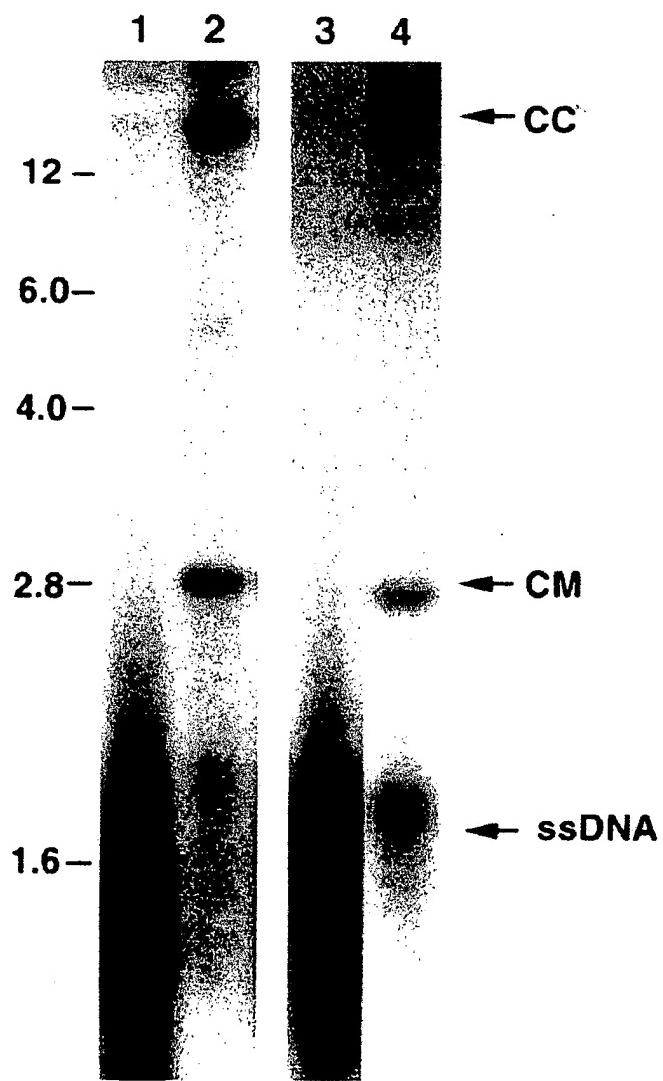


FIG. 8



TITLE: COMPOUNDS AND METHODS TO ENHANCE rAAV TRANSDUCTION  
INVENTORS NAME: John F. Engelhardt et al.  
SERIAL NO.: 09/689,136

10/27

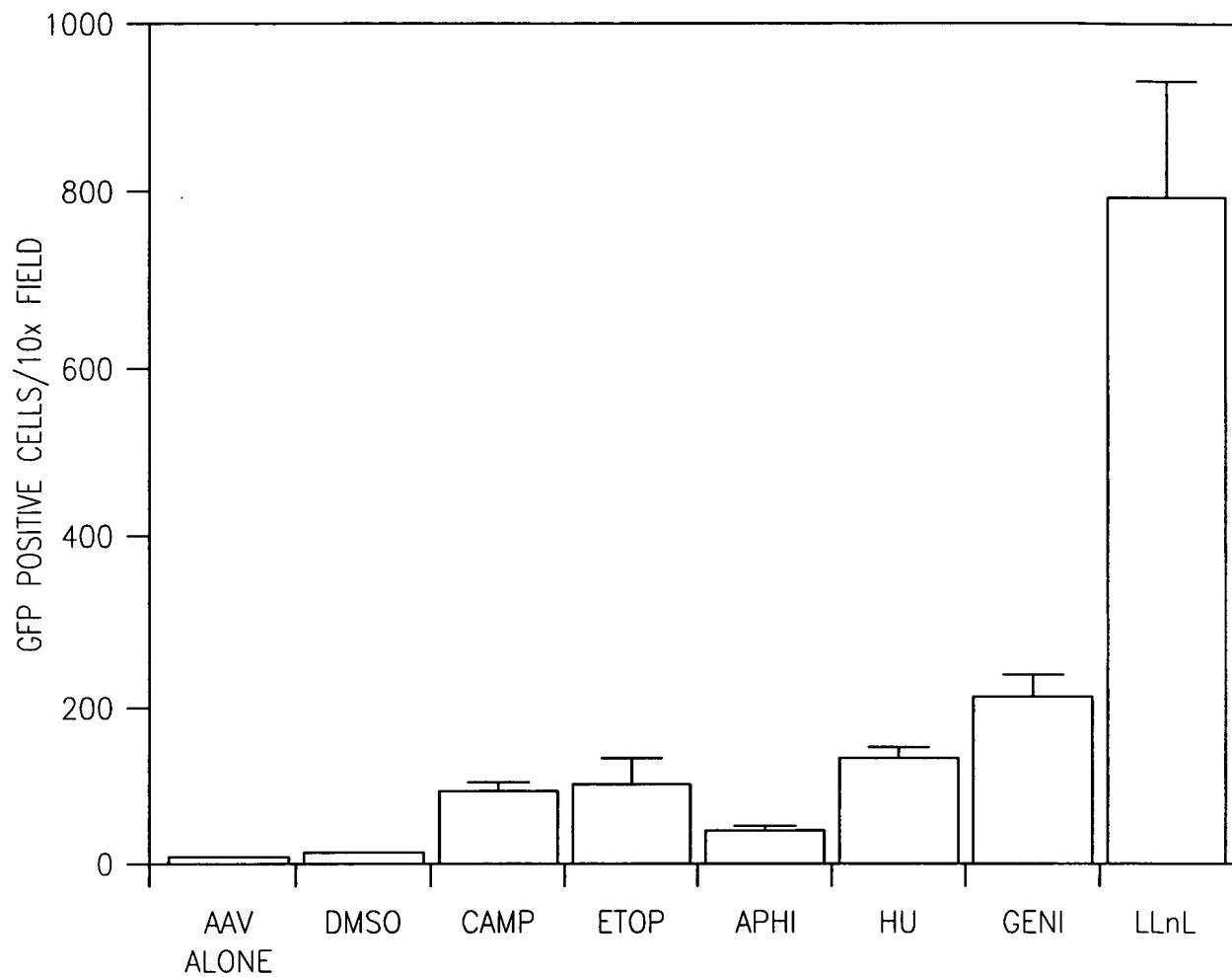


FIG. 9

12/02/02  
J1154 U.S. PTO

TITLE: COMPOUNDS AND METHODS TO ENHANCE rAAV TRANSDUCTION  
INVENTORS NAME: John F. Engelhardt et al.  
SERIAL NO.: 09/689,136

11/27



FIG. 10



TITLE: COMPOUNDS AND METHODS TO ENHANCE rAAV TRANSDUCTION  
INVENTORS NAME: John F. Engelhardt et al.  
SERIAL NO.: 09/689,136

12/27

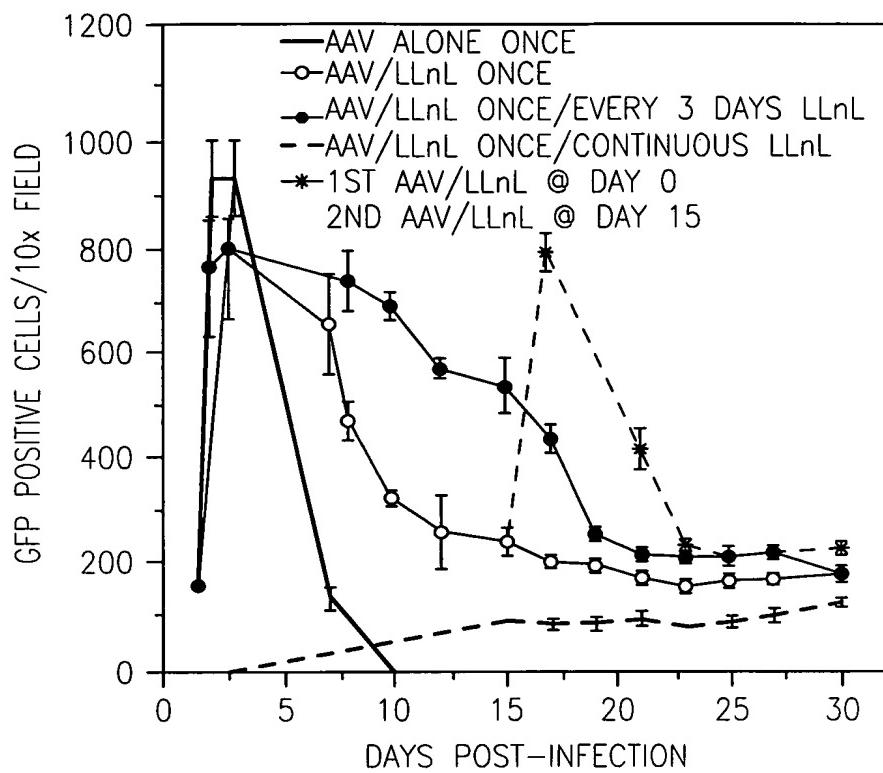


FIG. 11A

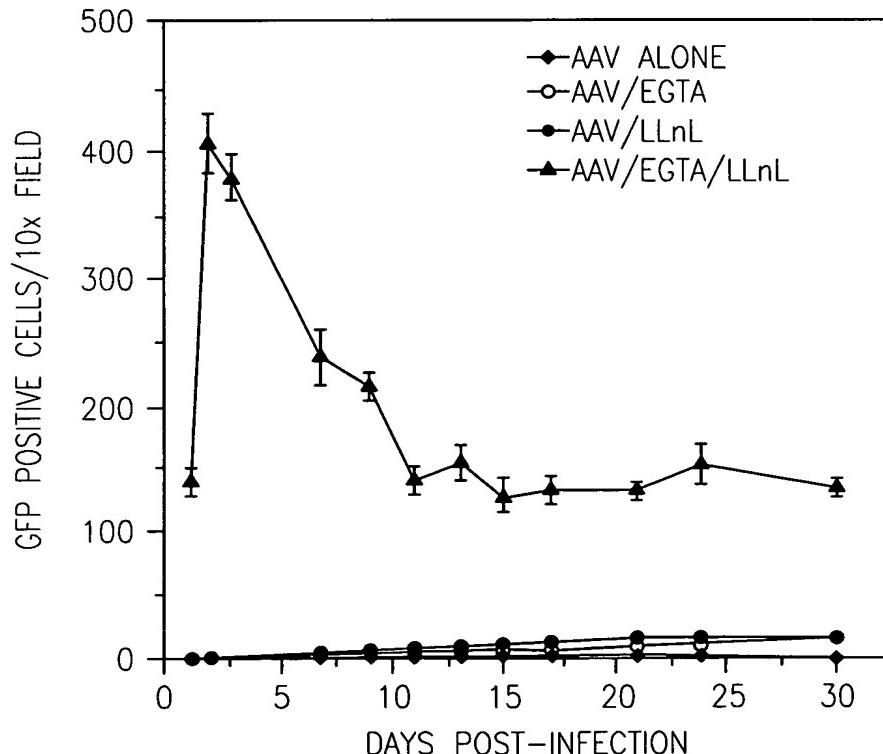


FIG. 11B



TITLE: COMPOUNDS AND METHODS TO ENHANCE rAAV TRANSDUCTION  
INVENTORS NAME: John F. Engelhardt et al.  
SERIAL NO.: 09/689,136

13/27

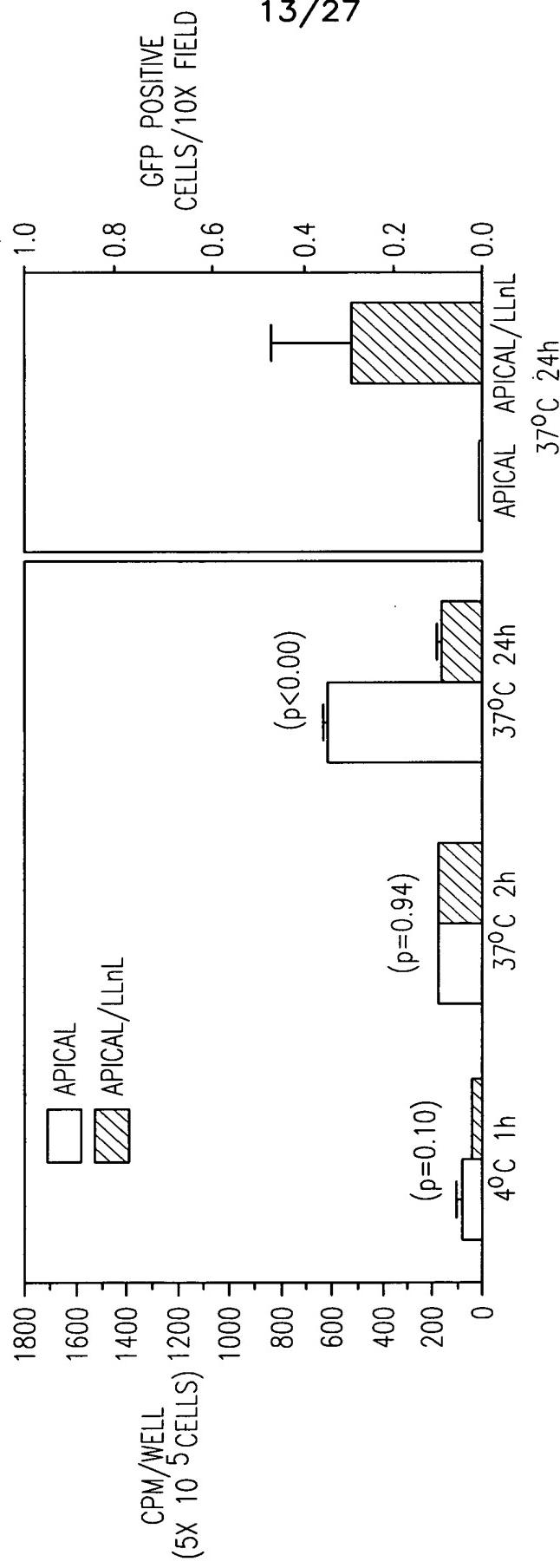


FIG. 12A



TITLE: COMPOUNDS AND METHODS TO ENHANCE rAAV TRANSDUCTION  
INVENTORS NAME: John F. Engelhardt et al.  
SERIAL NO.: 09/689,136

14/27

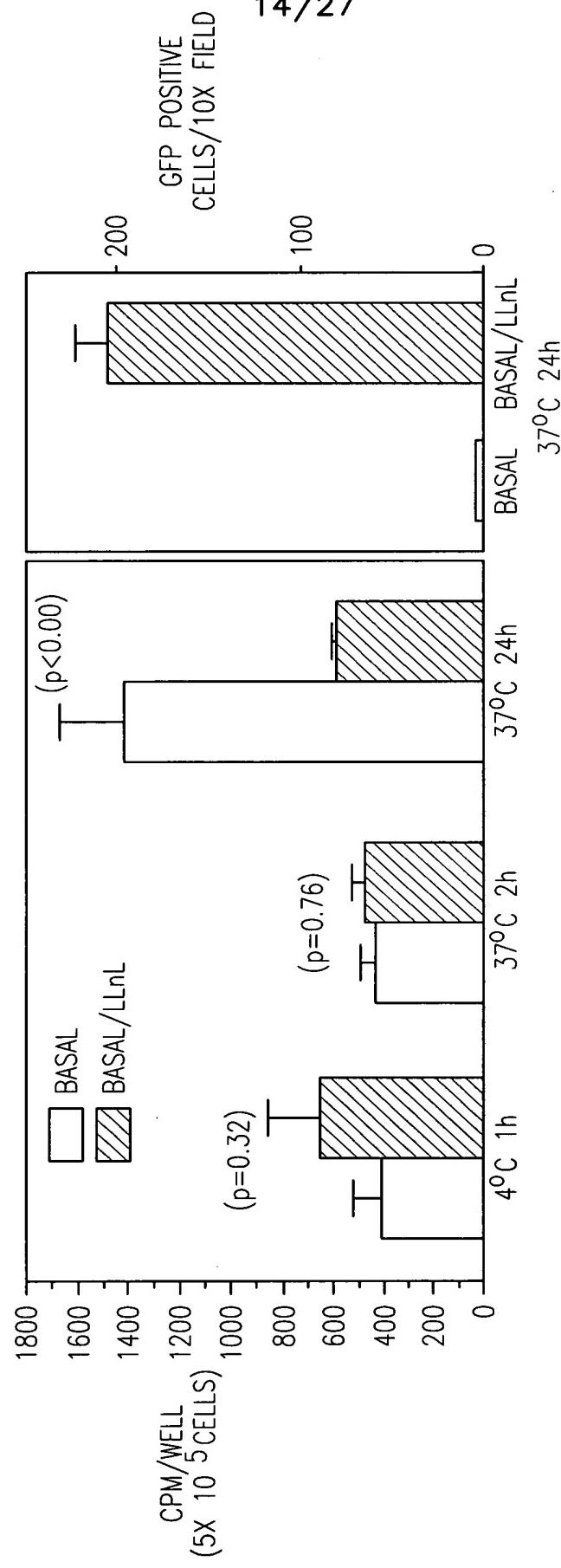


FIG. 12B

12/02/02  
JULIA U.S. PTO

TITLE: COMPOUNDS AND METHODS TO ENHANCE rAAV TRANSDUCTION  
INVENTORS NAME: John F. Engelhardt et al.  
SERIAL NO.: 09/689,136

15/27

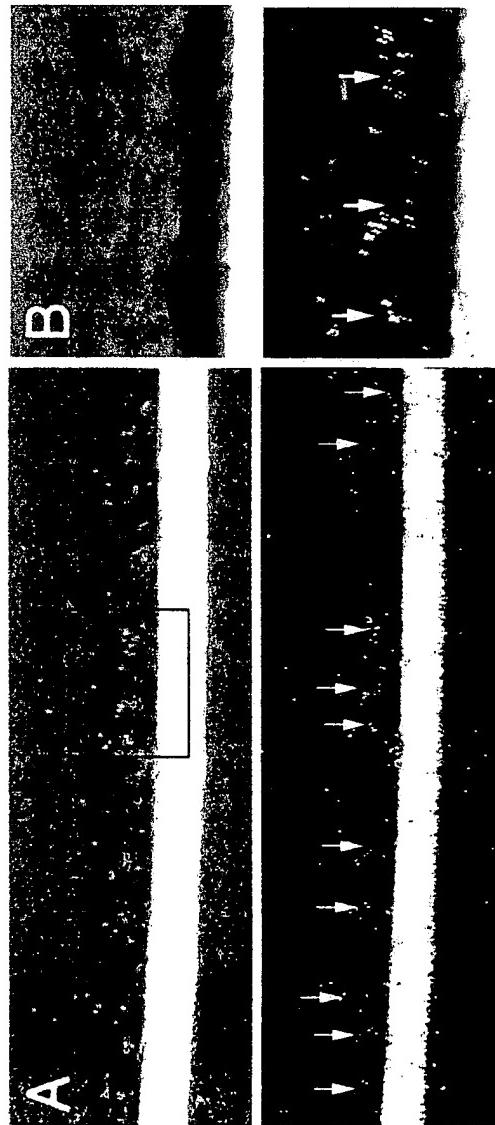
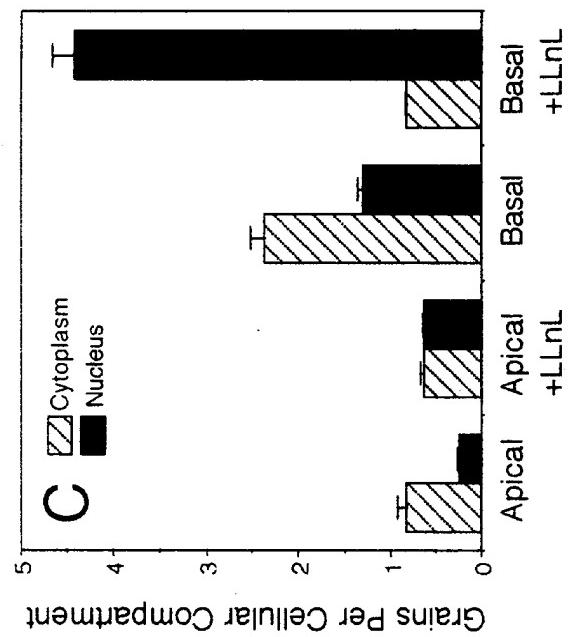


FIG. 13



TITLE: COMPOUNDS AND METHODS TO ENHANCE rAAV TRANSDUCTION  
INVENTORS NAME: John F. Engelhardt et al.  
SERIAL NO.: 09/689,136

16/27

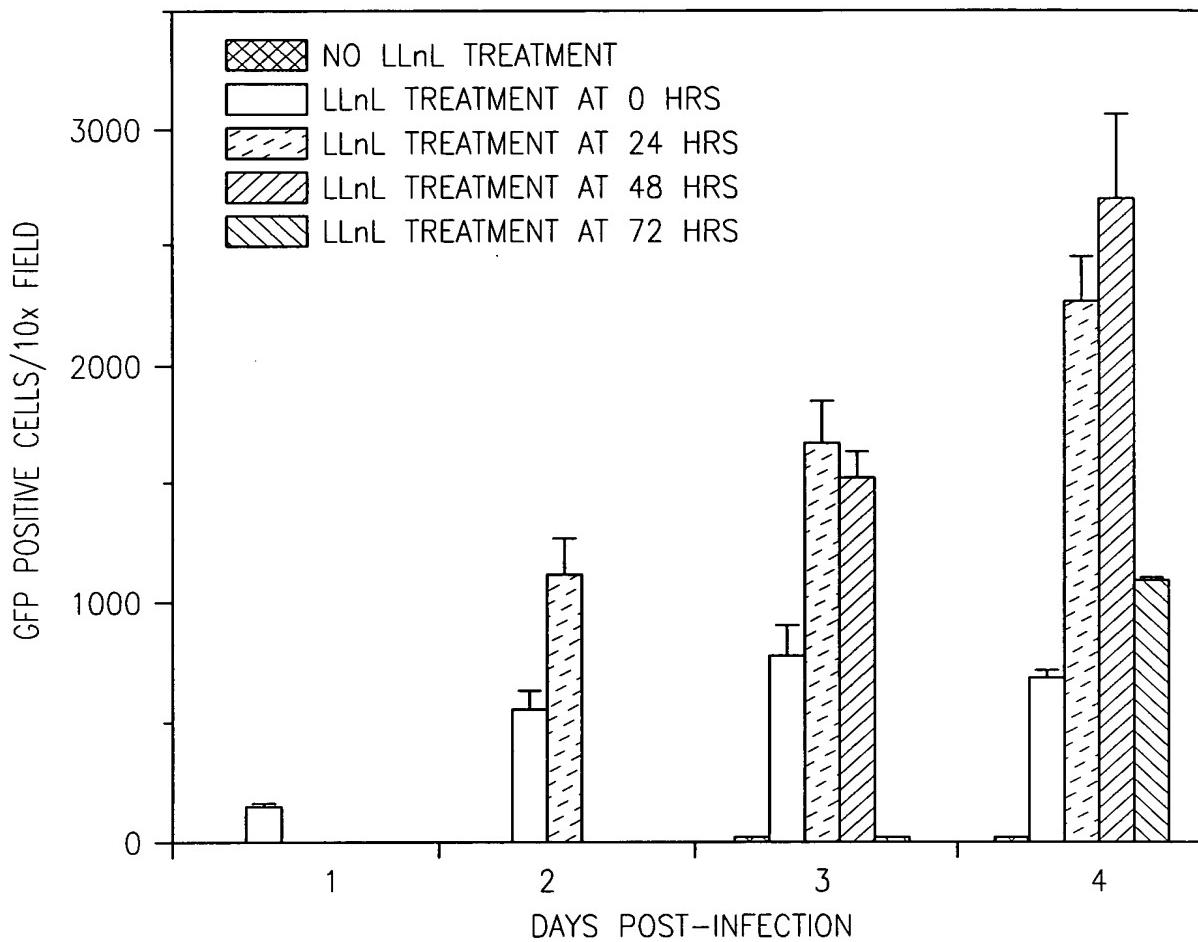


FIG. 14

12/02/02  
J1054 U.S. PTO

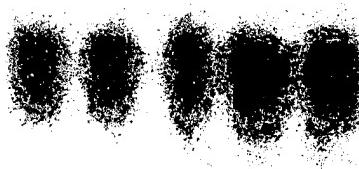
TITLE: COMPOUNDS AND METHODS TO ENHANCE rAAV TRANSDUCTION  
INVENTORS NAME: John F. Engelhardt et al.  
SERIAL NO.: 09/689,136

17/27

4°C, 1 hr

With Trypsin				Without Trypsin			
Uninfected	Apical		Basal	Uninfected	Apical		Basal
	AAV alone	AAV/LLnL	AAV/EGTA/LLnL		AAV alone	AAV/EGTA/LLnL	AAV alone

1.6 kb—



1 2 3 4 5 6 7 8 9 10 11 12

FIG. 15A

J1054 U.S. PTO  
12/02/02

TITLE: COMPOUNDS AND METHODS TO ENHANCE rAAV TRANSDUCTION  
INVENTORS NAME: John F. Engelhardt et al.  
SERIAL NO.: 09/689,136

18/27

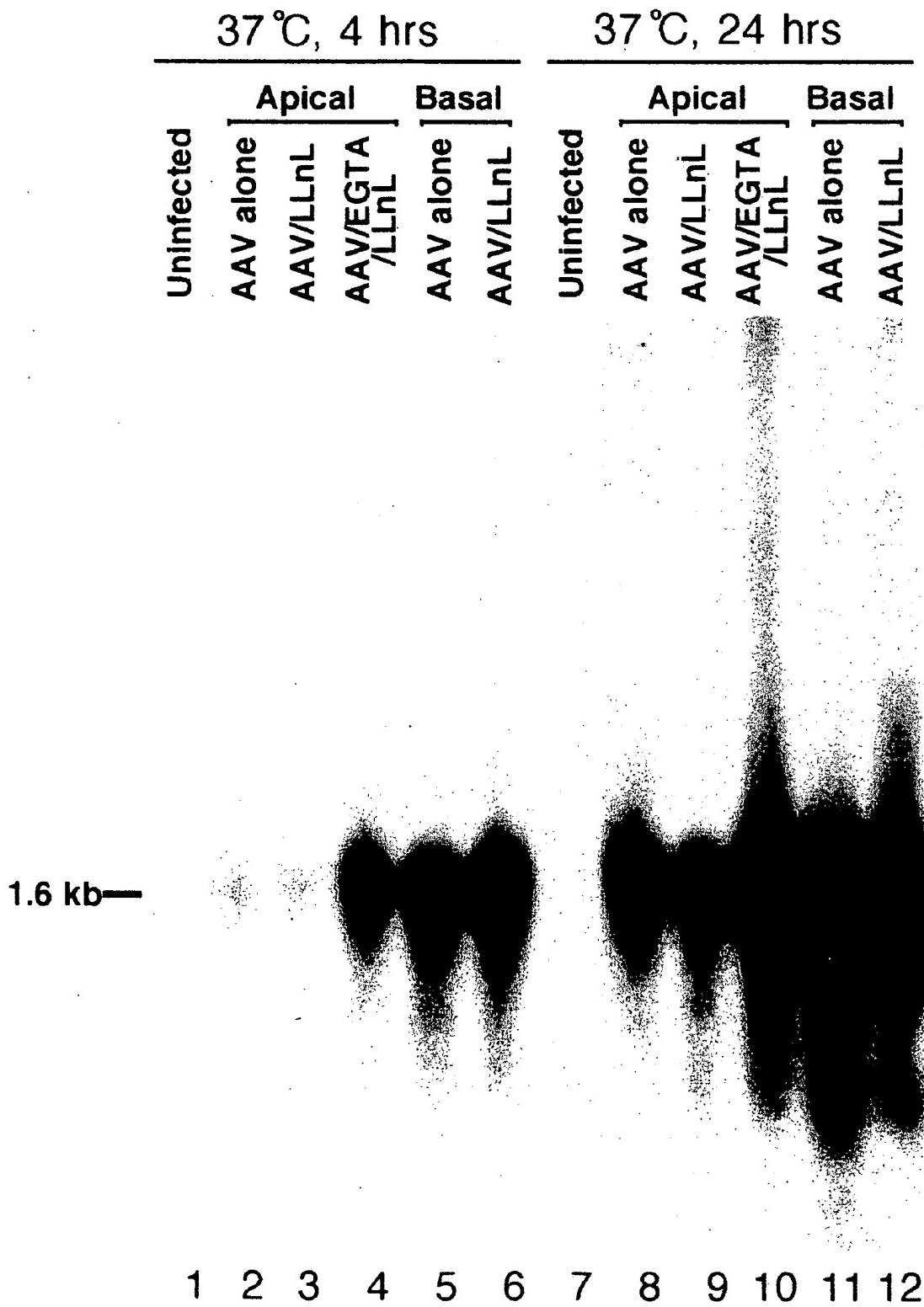


FIG. 15B

12/02/02  
11054 U.S. PTO

TITLE: COMPOUNDS AND METHODS TO ENHANCE rAAV TRANSDUCTION  
INVENTORS NAME: John F. Engelhardt et al.  
SERIAL NO.: 09/689,136

19/27

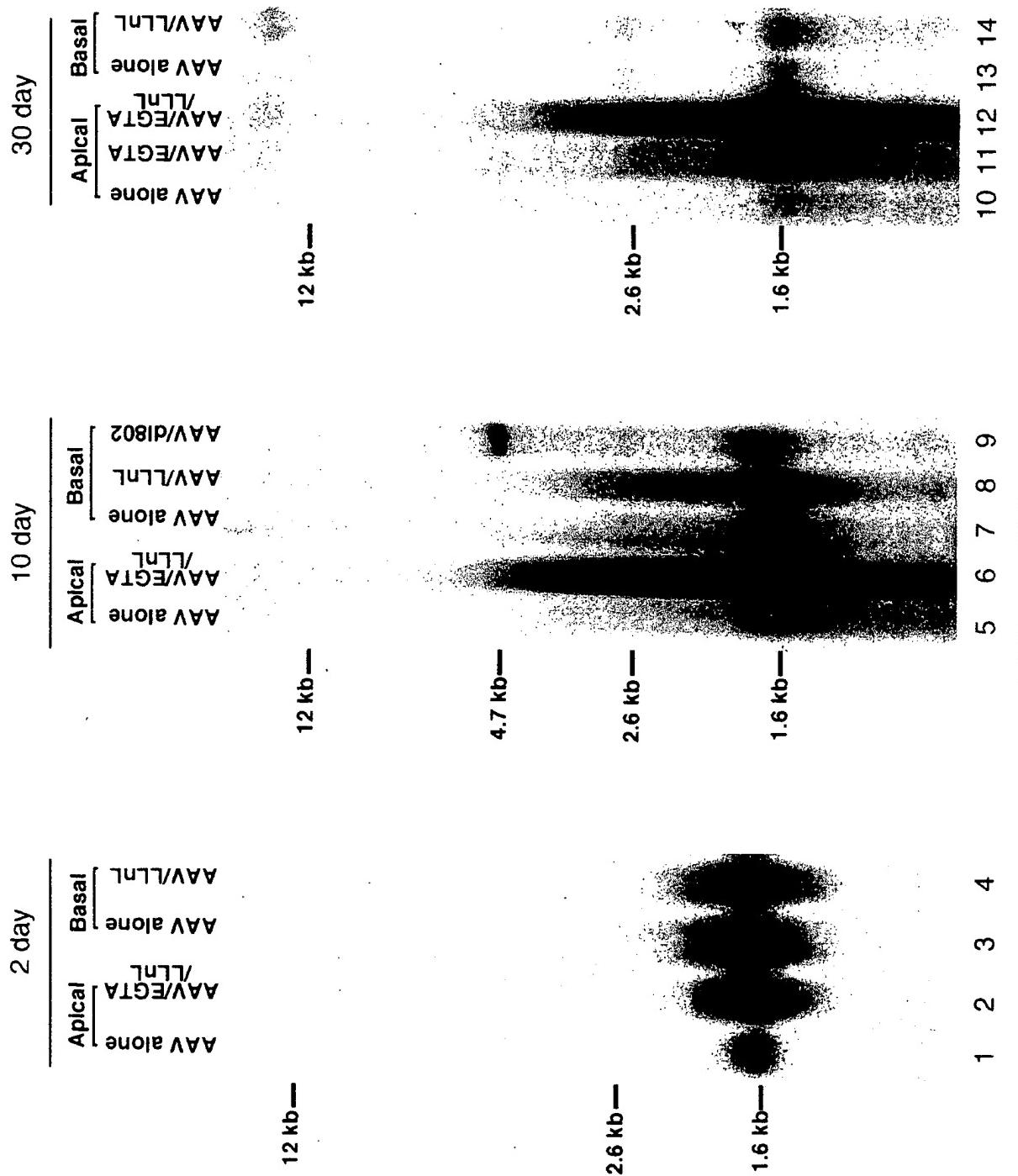


FIG. 15C

12/02/02  
JULIA U.S. PTO

TITLE: COMPOUNDS AND METHODS TO ENHANCE rAAV TRANSDUCTION  
INVENTORS NAME: John F. Engelhardt et al.  
SERIAL NO.: 09/689,136

20/27

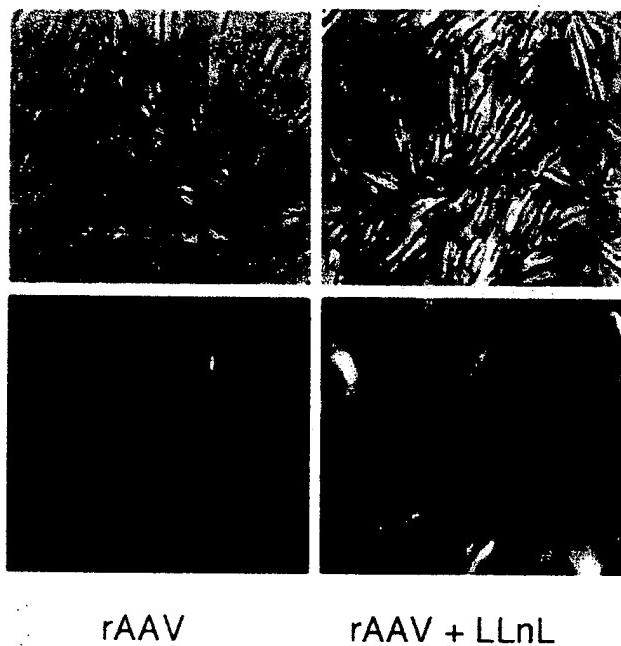


FIG. 16A

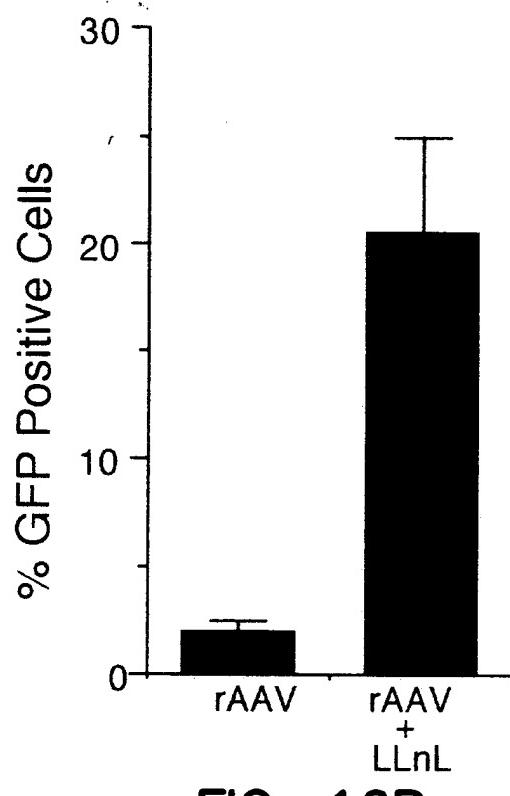


FIG. 16B

12/02/02  
11054 U.S. PATO

TITLE: COMPOUNDS AND METHODS TO ENHANCE rAAV TRANSDUCTION  
INVENTORS NAME: John F. Engelhardt et al.  
SERIAL NO.: 09/689,136

21/27

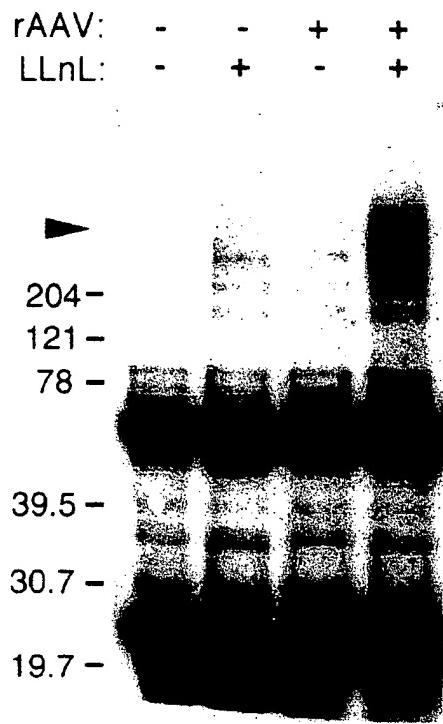


FIG. 16C

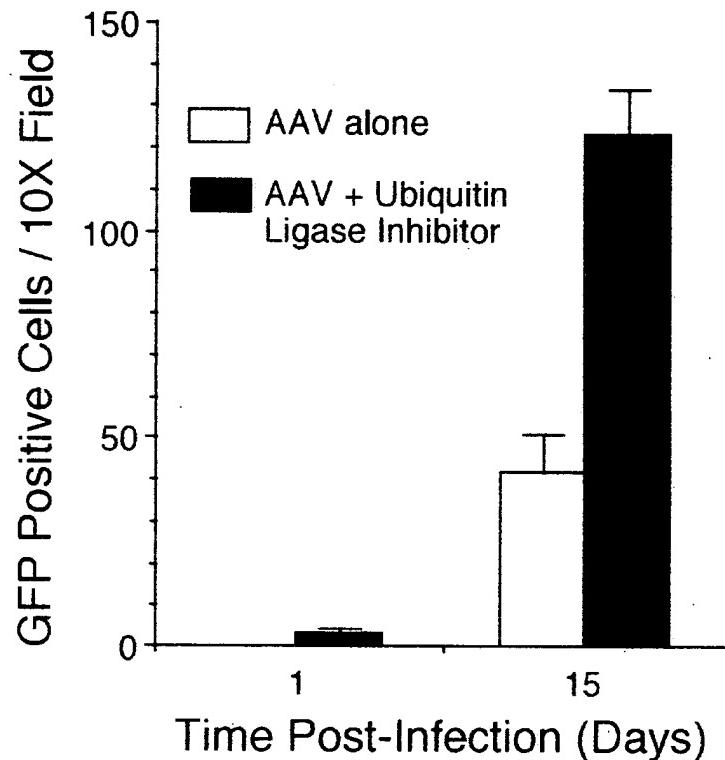


FIG. 16D

J1054 U.S. PTO  
12/02/02

TITLE: COMPOUNDS AND METHODS TO ENHANCE rAAV TRANSDUCTION  
INVENTORS NAME: John F. Engelhardt et al.  
SERIAL NO.: 09/689,136

22/27



FIG. 17A  
FIG. 17B  
FIG. 17C

12/02/02  
J1054 U.S. PTO

TITLE: COMPOUNDS AND METHODS TO ENHANCE rAAV TRANSDUCTION  
INVENTORS NAME: John F. Engelhardt et al.  
SERIAL NO.: 09/689,136

23/27

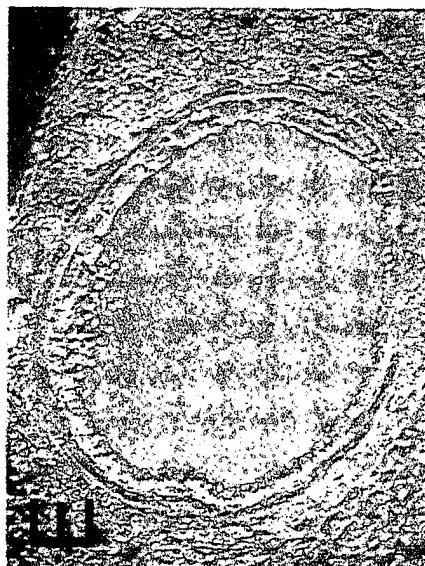
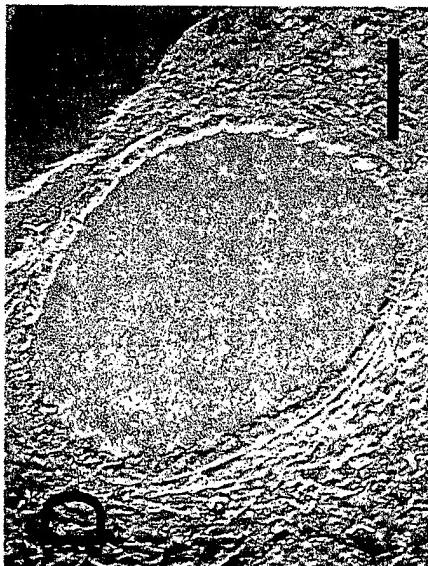
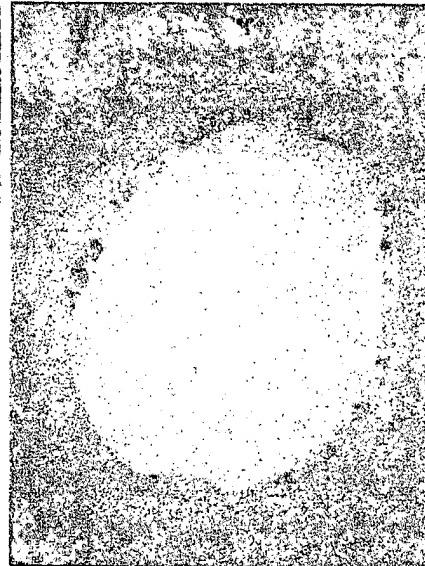
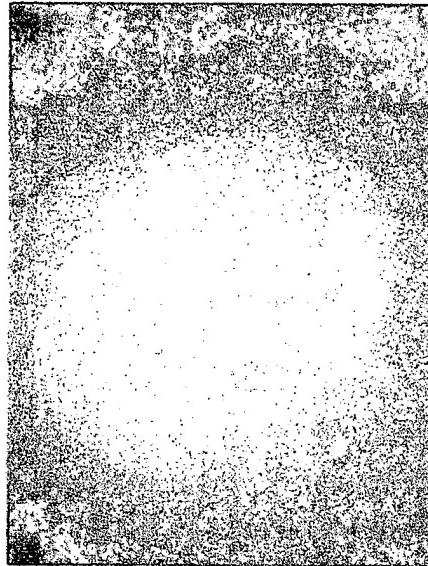


FIG. 17D

FIG. 17E



TITLE: COMPOUNDS AND METHODS TO ENHANCE rAAV TRANSDUCTION  
INVENTORS NAME: John F. Engelhardt et al.  
SERIAL NO.: 09/689,136

24/27

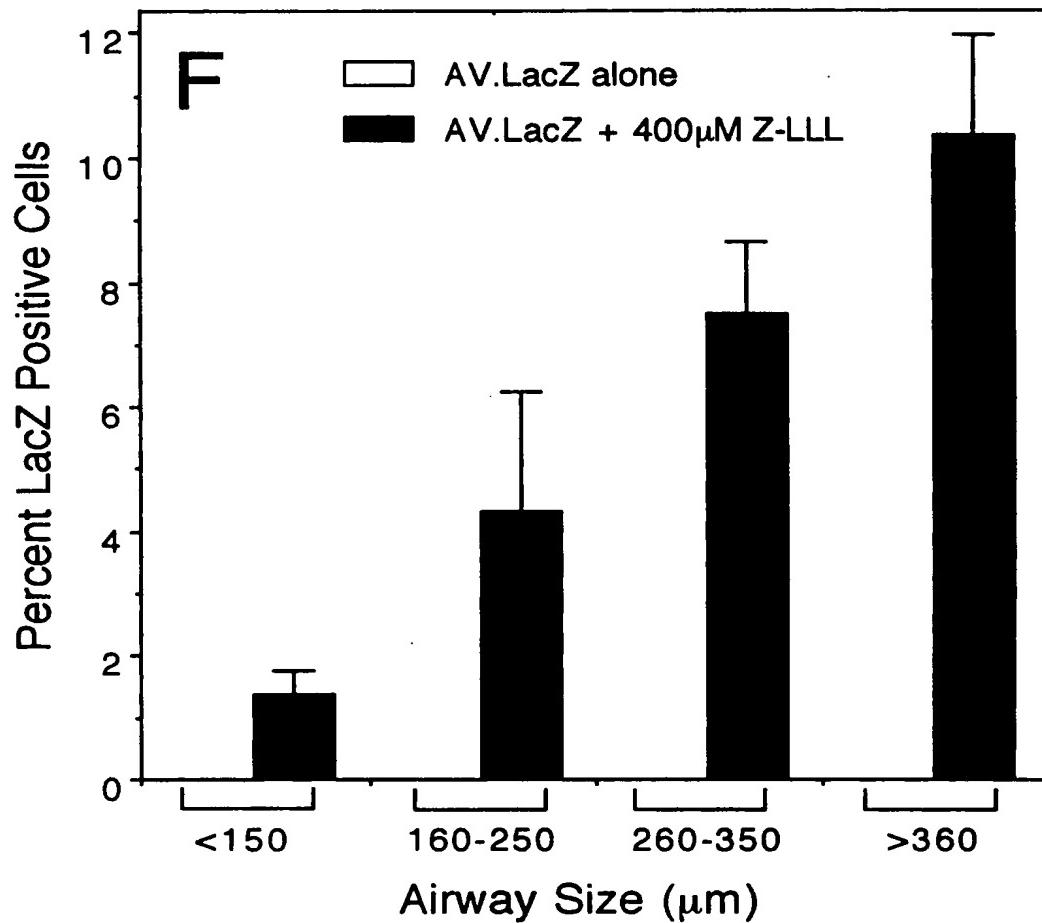


FIG. 17F

J1054 U.S. PTO  
12/02/02

TITLE: COMPOUNDS AND METHODS TO ENHANCE rAAV TRANSDUCTION  
INVENTORS NAME: John F. Engelhardt et al.  
SERIAL NO.: 09/689,136

25/27

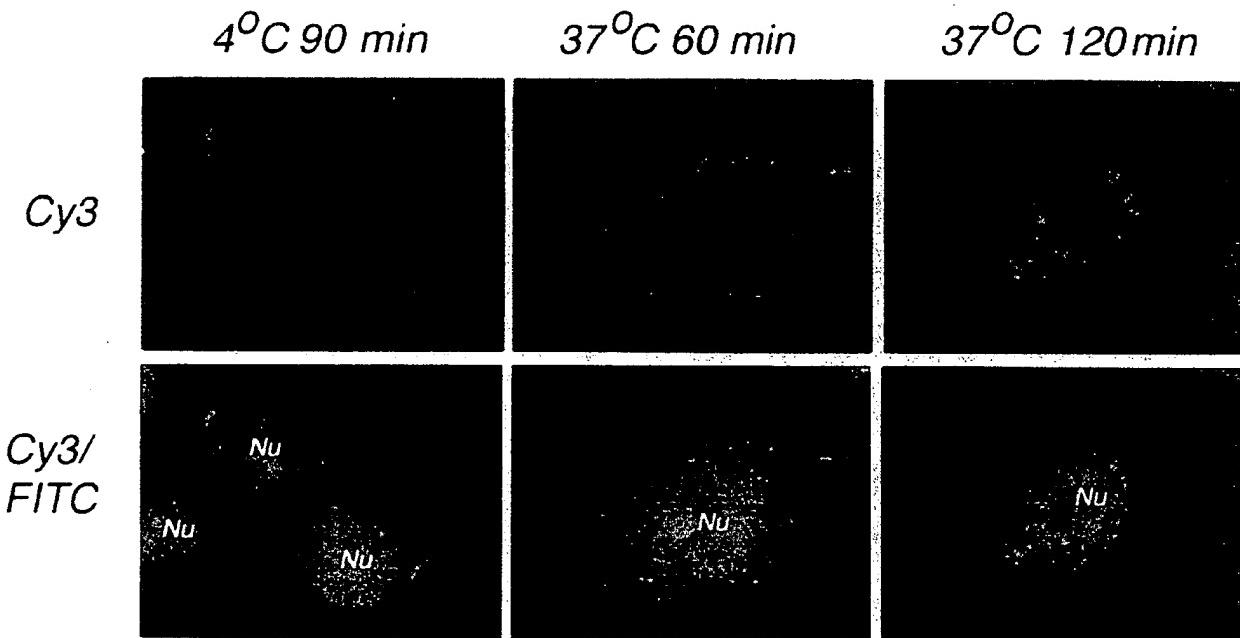


FIG. 18A

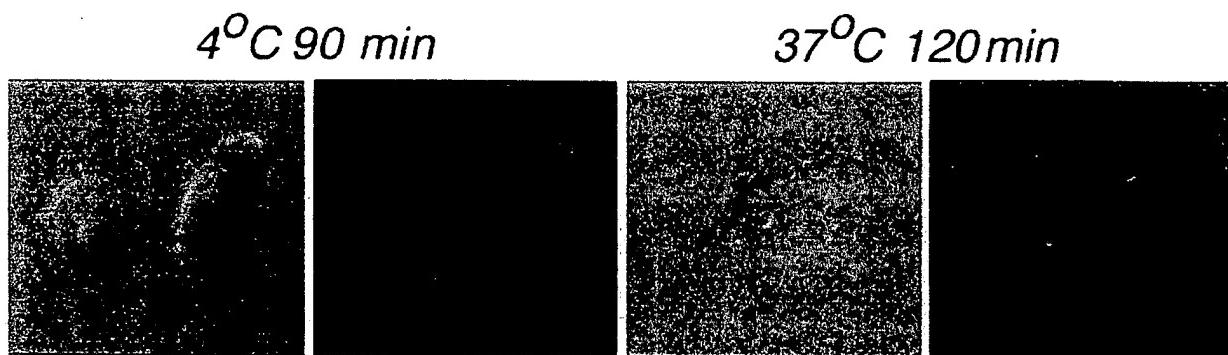


FIG. 18B

J1054 U.S. PTO  
12/02/02

TITLE: COMPOUNDS AND METHODS TO ENHANCE rAAV TRANSDUCTION  
INVENTORS NAME: John F. Engelhardt et al.  
SERIAL NO.: 09/689,136

26/27

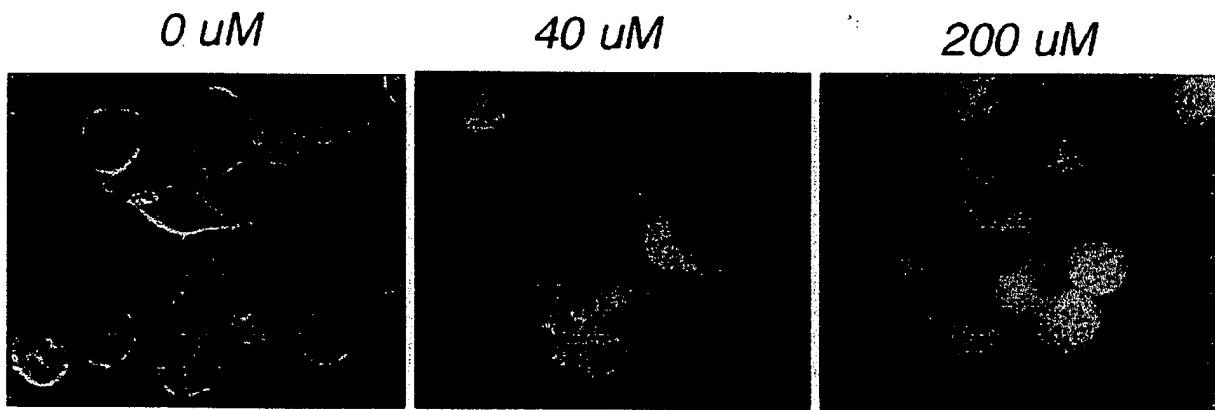


FIG. 18C

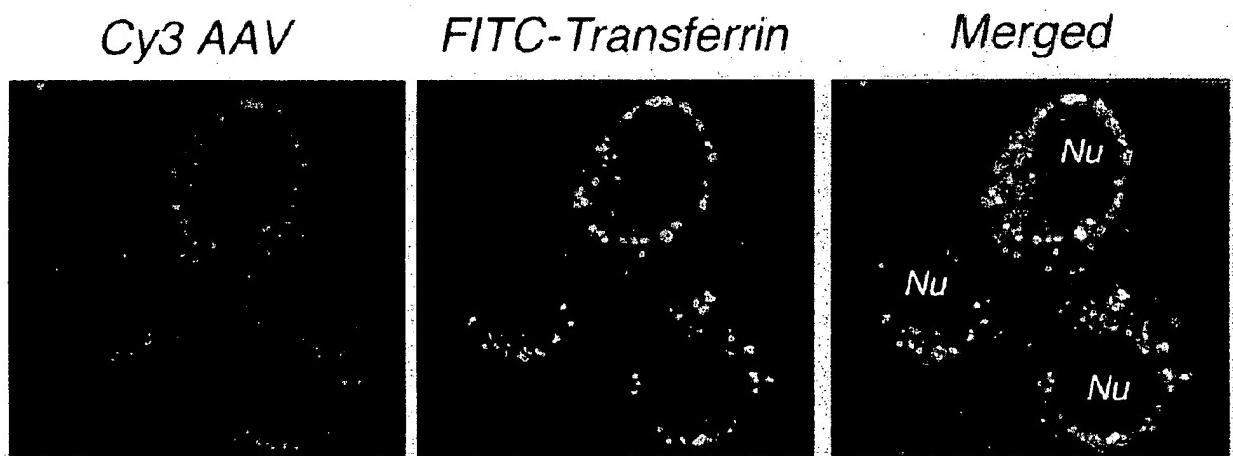


FIG. 18D



TITLE: COMPOUNDS AND METHODS TO ENHANCE rAAV TRANSDUCTION  
INVENTORS NAME: John F. Engelhardt et al.  
SERIAL NO.: 09/689,136

27/27

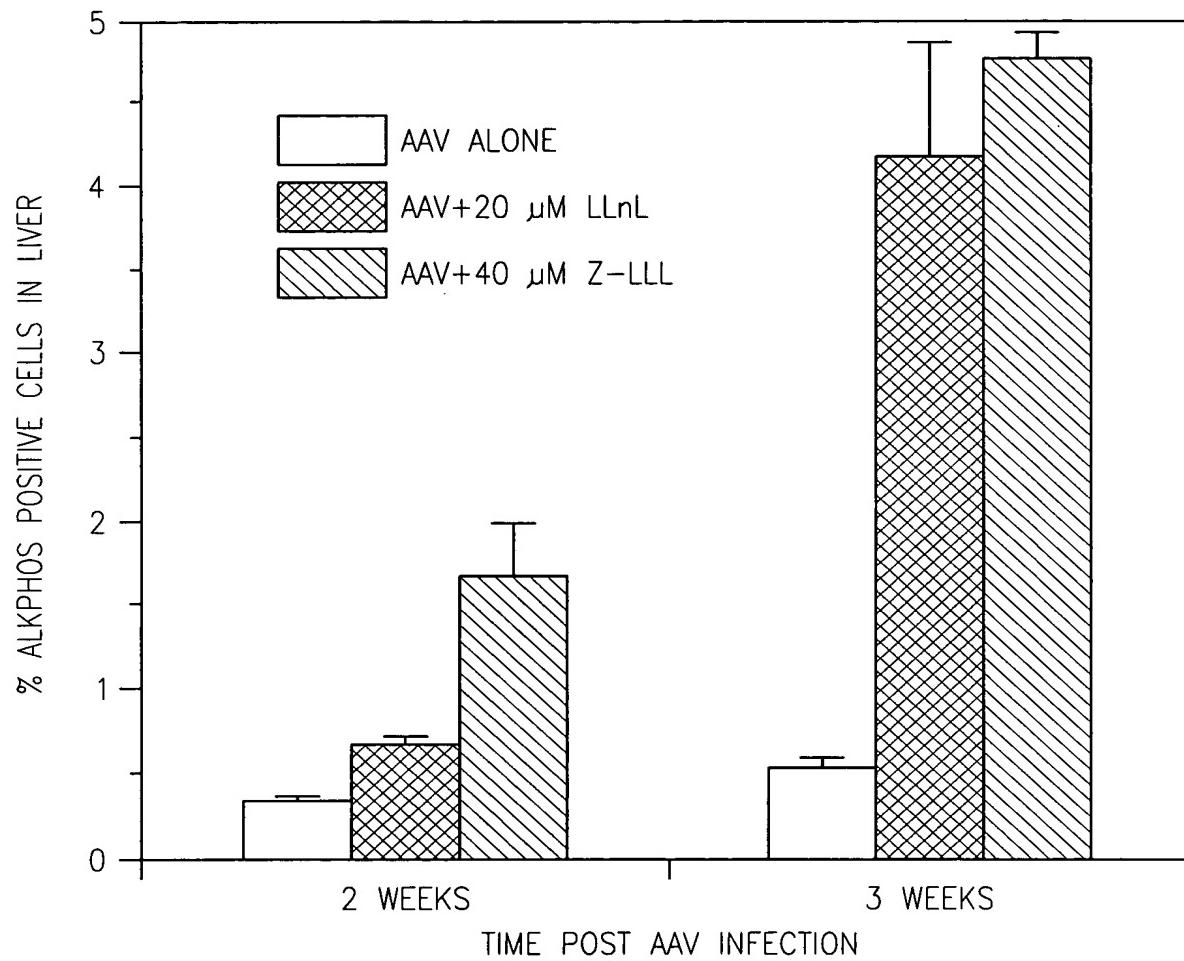


FIG. 19